

100

FIG. 1

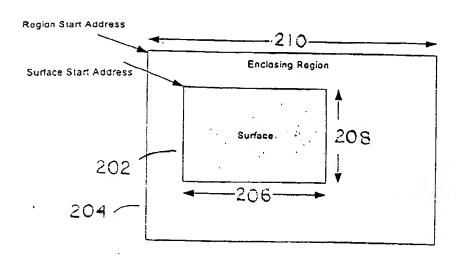
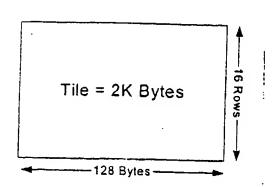


FIG. 2(a)



212

FIG. 2(b)

QW   QW   0   1	QW QV 2 3 QW QV 18 19	aw a	W QW C	7 8 IW QW Q	9 10 1W QW 25 26	QW   QV   11   11   12   12   12   12   12   1	2 13 V QW	QW   14   QW   30
			• •					
QW QW 240 241	QW   QW 242   243	QW QW 244 245	QW QV 246 24			QW   QW	Tow	aw   a

## FIG. 3

QWO	QW 16		
QW 1	QW 17		aw
QW 2	QW 18		aw
QW 3	QW 19	·	aw
QW 4	QW 20	•	QW
QW 5	QW 21		QW
QW 6	QW 22		QW
QW 7	QW 23		QW:
QW 8	QW 24	• • •	QW 2
QW9	QW 25		QW 2
QW 10	QW 26		QW 2
QW 11	QW 27		QW 2
QW 12	QW 28		QW 2
QW 13	QW 29		QW 25
QW 14	QW 30	•	QW 25
QW 15	QW 31		QW 25

<u> 400</u>

FIG. 4

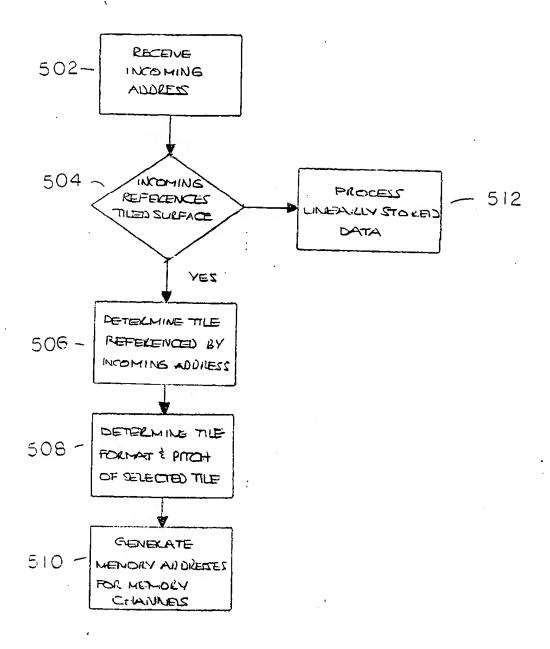


FIG. 5

**FIG. 6** 

0W127

Y Major Tile (8 Ows wide X 16 lines High) = 2KB 708 702-CI 0w0 a I 6 c I h l 704 e I ow9 Line 706+ aw1 0 Cache cw3 Line ow4 0W1 3 0W1

FIG. 7

loosakse leepl

600

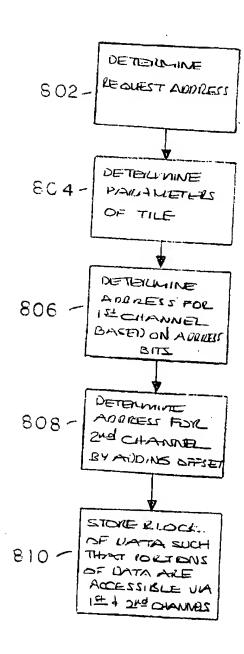


FIG. 8

```
Request Address (31:5) = Translated Tiled Address (31:5)

If (Tiled Addr [8] == '0' AND Tiled Addr [7] == '0') OR
(Tiled Addr [8] == '1' AND Tiled Addr [7] == '1'):
Channel 0: Request Address
Channel 1: Request Address + 16B

If (Tiled Addr [8] == '0' AND Tiled Addr [7] == '1') OR
(Tiled Addr [8] == '1' AND Tiled Addr [7] == '0'):
Channel 0: Request Address + 16B
Channel 1: Request Address
```

## FIG. 9

```
Request Address (31:5) = Translated Tiled Address (31:5)

If (Tiled Addr [4] == '0' AND Tiled Addr [8] =='0') OR

(Tiled Addr [4] == '1' AND Tiled Addr [8] =='1'):

Channel 0: Request Address

Channel 1: Request Address + 128B

If (Tiled Addr [4] == '0' AND Tiled Addr [8] =='1') OR

(Tiled Addr [4] == '1' AND Tiled Addr [8] =='0'):

Channel 0: Request Address + 128B

Channel 1: Request Address
```

FIG. 10

Request Address (31:5) = Translated Tiled Address (31:5)

If (Tiled Addr [4] == '0' AND Tiled Addr [7] =='0') OR

(Tiled Addr [4] == '1' AND Tiled Addr [7] =='1'):

Channel 0: Request Address

Channel 1: Request Address + 256B

If (Tiled Addr [4] == '0' AND Tiled Addr [7] =='1') OR (Tiled Addr [4] == '1' AND Tiled Addr [7] =='0'):

Channel 0: Request Address + 256B

Channel 1: Request Address

## FIG. 11

Request Address (31:5) = Translated Tiled Address (31:5)

If (Tiled Addr [5] == '0' AND Tiled Addr [4] =='0') OR (Tiled Addr [5] == '1' AND Tiled Addr [4] =='1'):

Channel 0: Request Address,

Qword (Tiled Addr [3]) = Qword 0 of Source Qword :(Tiled Addr [3]) = Not Used/Updated.

Channel 1: Request Address + 128B,

Qword (Tiled Addr [3]) = Qword 1 of Source Qword (Tiled Addr [3]) = Not Used/Updated.

If (Tiled Addr [5] == '0' AND Tiled Addr [4] =='1') OR (Tiled Addr [5] == '1' AND Tiled Addr [4] =='0'):

Channel 0: Request Address + 128B,

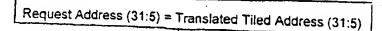
Qword (Tiled Addr [3]) = Qword 1 of Source

Qword .(Tiled Addr [3]) = Not Used/Updated.

Channel 1: Request Address,

Qword (Tiled Addr [3]) = Qword 0 of Source

Qword (Tiled Addr [3]) = Not Used/Updated.



If (Tiled Addr [5] == '0' AND Tiled Addr [4] == '0') OR (Tiled Addr [5] == '1' AND Tiled Addr [4] == '1'):

Channel 0: Request Address Channel 1: Request Address + 128B

If (Tiled Addr [5] == '0' AND Tiled Addr [4] =='1') OR (Tiled Addr [5] == '1' AND Tiled Addr [4] =='0');

Channel 0: Request Address + 128B Channel 1: Request Address

## FIG. 13

Request Address (31:5) = Translated Tiled Address (31:5)

If (Tiled Addr [7] == '0' AND Tiled Addr [5] =='0') OR (Tiled Addr [7] == '1' AND Tiled Addr [5] =='1'):

Channel 0: Request Address Channel 1: Request Address + 16B

If (Tiled Addr [7] == '0' AND Tiled Addr [5] =='1') OR (Tiled Addr [7] == '1' AND Tiled Addr [5] =='0'):

Channel 0: Request Address + 16B Channel 1: Request Address

FIG. 14